

- Write the first five terms in the following number pattern:
Start with the number 3. Multiply by 3 and add 1 repeatedly.

- A bus comes to the bus stop at 7:40, 8:15, 8:50, and 9:25 each morning. If this pattern continues, when will the next three stops be?

Evaluate each expression for $x = 8$.

- | | | | |
|---------------|-------------|----------------|--------------|
| 3. $x + 9$ | 4. $80x$ | 5. $72 \div x$ | 6. $10 - x$ |
| _____ | _____ | _____ | _____ |
| 7. $3(x + 1)$ | 8. $3x + 1$ | 9. $3(x - 1)$ | 10. $3x - 1$ |
| _____ | _____ | _____ | _____ |

Write an algebraic expression for each word phrase.

- | | | | |
|------------------------|---------------------------------|-------------------------------|--------------------------------|
| 11. five less than b | 12. the product of y and nine | 13. thirteen decreased by x | 14. the quotient of r and 11 |
| _____ | _____ | _____ | _____ |

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